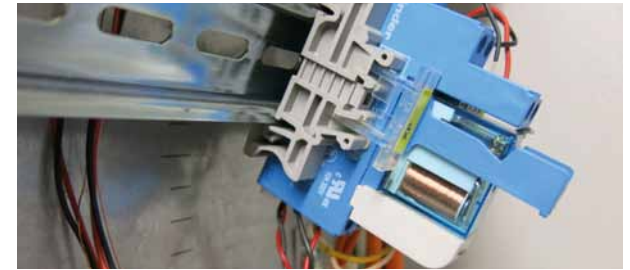


Selection Guide

Recommendations for engineering resins



PA



		PA (PA 6 / P 6,6 and others)					
		TEGOMER® H-Si 6441 P	TEGOMER® E-Si 2330	TEGOMER® M-Si 2650	TEGOMER® P 121	TEGOMER® P 122	TEGO® Sorb PY 88 T. Q.
PROCESSING	Increased through-put	●		●			●
	Improved mold filling due to improved meld flow	●		●			●
	High filler/pigment loading	●	●	●	●	●	
	Prevention of die drool	●		●			
	Reduced surface roughness of strand	●	●	●			
	Better demolding for higher productivity and less trash	●		●			
BULK PROPERTIES	Improved mechanical properties	●	●	●	●	●	
	Improved low temperature impact	●					
	Enhanced flame resistance		●		●	●	
	Improved water resistance	●		●			
	Reduced malodor						●
SURFACE PROPERTIES	Improved scratch/mar resistance	●		●			
	Improved abrasion resistance	●		●			
	Reduced COF	●	●	●			
	Good surface appearance of demolded parts (while GF or filler are used)	●		●			
	No impact on gloss				●	●	
	Improved antistatic						
ADDITIONAL CRITERIA	Food-contact compliance	●			●	●	●

POLYESTER

(PET, PBT, ...)



		Polyester (PET/PBT/TPE-E)					
		TEGOMER® H-Si 6441 P	TEGOMER® M-Si 2650	TEGO® XP 22039	TEGOMER® P 121	TEGOMER® P 122	TEGIN® 90 Pellets
PROCESSING	Increased through-put	●	●				
	Improved mold filling due to improved mold flow	●	●				
	High filler/pigment loading				●	●	
	Prevention of die drool						
	Reduced surface roughness of strand						
	Better demolding for higher productivity and less trash			●			
BULK PROPERTIES	Improved mechanical properties	●	●	●			
	Improved low temperature impact	●		●			
	Enhanced flame resistance						
	Improved water resistance		●				
	Reduced malodor						
SURFACE PROPERTIES	Improved scratch/mar resistance	●	●	●			
	Improved abrasion resistance	●	●	●			
	Reduced COF	●	●	●			
	Good surface appearance of demolded parts (while GF or filler are used)	●			●	●	
	No impact on gloss	●			●	●	
	Improved antistatic						●
ADDITIONAL CRITERIA	Food-contact compliance	●			●	●	

STYRENE POLYMERS

(PS, ABS, SAN, ...)



Styrene polymers (ABS/PS/ASA/SAN)

		TEGOMER® H-Si 6441 P	TEGOMER® M-Si 2650	TEGOMER® AntiScratch L	TEGOPREN® 6846	TEGOMER® P 121	TEGOMER® P 122
PROCESSING	Increased through-put	•	•		•		
	Improved mold filling due to improved meld flow	•	•		•		
	High filler/pigment loading					•	•
	Prevention of die drool						
	Reduced surface roughness of strand						
	Better demolding for higher productivity and less trash	•	•				
BULK PROPERTIES	Improved mechanical properties	•	•		•		
	Improved low temperature impact	•	•		•		
	Enhanced flame resistance						
	Improved water resistance		•				
	Reduced malodor						
SURFACE PROPERTIES	Improved scratch/mar resistance	•	•		•		
	Improved abrasion resistance	•	•		•		
	Reduced COF	•	•		•		
	Good surface appearance of demolded parts (while GF or filler are used)						
	No impact on gloss					•	•
Improved antistatic							
ADDITIONAL CRITERIA	Food-contact compliance	•				•	•

PC



		PC (transparent)	PC (colored)					
		recommendation	TEGOMER® H-Si 6441 P	TEGOMER® AntiScratch L	TEGOMER® M-Si 2650	TEGOMER® P 121	TEGOMER® P 122	TEGOMER® DA 800
PROCESSING	Increased through-put		●		●			
	Improved mold filling due to improved meld flow		●		●			
	High filler/pigment loading					●	●	●
	Prevention of die drool							
	Reduced surface roughness of strand							
	Better demolding for higher productivity and less trash							
BULK PROPERTIES	Improved mechanical properties		●			●	●	●
	Improved low temperature impact		●					
	Enhanced flame resistance							
	Improved water resistance							
	Reduced malodor							
SURFACE PROPERTIES	Improved scratch/mar resistance		●	●	●			
	Improved abrasion resistance		●	●	●			
	Reduced COF		●	●	●			
	Good surface appearance of demolded parts (while GF or filler are used)							
	No impact on gloss		●			●	●	●
	Improved antistatic							●
ADDITIONAL CRITERIA	Food-contact compliance		●			●	●	●

PMMA



		PMMA (transparent)		PMMA (colored)				
		TEGOMER® H-Si 6441 P	TEGOMER® H-Si 6441 P	TEGOMER® AntiScratch L	TEGOMER® M-Si 2650	TEGOPREN® 6846	TEGOMER® P 121	TEGOMER® P 122
PROCESSING	Increased through-put	●	●		●	●		
	Improved mold filling due to improved meld flow	●	●		●			
	High filler/pigment loading						●	●
	Prevention of die drool							
	Reduced surface roughness of strand							
	Better demolding for improved productivity and less trash							
BULK PROPERTIES	Improved mechanical properties	●	●		●			
	Improved low temperature impact	●	●		●			
	Enhanced flame resistance							
	Improved water resistance	●			●	●		
	Reduced malodor							
SURFACE PROPERTIES	Improved scratch/mar resistance	●	●		●	●		
	Improved abrasion resistance	●	●		●			
	Reduced COF	●	●		●			
	Good surface appearance of demolded parts (while GF or filler are used)						●	●
	No impact on gloss						●	●
	Improved antistatic							
ADDITIONAL CRITERIA	Food-contact compliance	●	●				●	●

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