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- Polypropylene

Friday, June 30, 2017

	General Information		
General			
Material Status	Commercial: Active		
Availability	Asia Pacific		
Forms	Pellets		

ASTM & ISO Properties ¹				
Physical	Nominal Value	Unit	Test Method	
Specific Gravity	1.13		ASTM D792	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238	
Molding Shrinkage - Flow	3.0E-3 to 8.0E-3	in/in	ASTM D955	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Stress (Break)	11600	psi	ASTM D638	
Tensile Strain (Break)	5.0	%	ASTM D638	
Flexural Modulus	696000	psi	ASTM D790	
Flexural Stress	14500	psi	ASTM D790	
Impact	Nominal Value	Unit	Test Method	
Notched Izod Impact	2.4	ft·lb/in	ASTM D256	
Thermal	Nominal Value	Unit	Test Method	
Deflection Temperature Under Load (66 psi, Unannealed)	313	°F	ASTM D648	
Deflection Temperature Under Load			ASTM D648	
264 psi, Unannealed	288	°F		

Notes

¹ Typical properties: these are not to be construed as specifications.

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