RheTech Thermoplastic Polyolefin

FT1055-685UV

Polyolefin

RheTech, Inc.

Message:

Thermoplastic Polyolefin, 110K Flexural Modulus, UV Stabilized, Gray.

General Information			
Filler / Reinforcement	Filler, 4.0% filler by weight		
Additive	UV stabilizer		
Features	Good UV resistance		
Appearance	Grey		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.928	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	17.2	MPa	ASTM D638
Flexural Modulus	758	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	800	J/m	ASTM D256
Dart Drop Impact	20.3	J	ASTM D5420
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	76.7	°C	ASTM D648
1.8 MPa, not annealed	46.1	°C	ASTM D648
Injection	**Nominal Value**	**Unit**	
Drying Temperature	65.6 - 82.2	°C	
Drying Time	1.0 - 2.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	188 - 216	°C	
Middle Temperature	193 - 221	°C	
Front Temperature	199 - 227	°C	
Nozzle Temperature	204 - 216	°C	
Mold Temperature	26.7 - 48.9	°C	
Injection Pressure	2.76 - 10.3	MPa	

Holding Pressure	2.07 - 8.27	MPa
Back Pressure	0.345 - 1.03	MPa

Injection instructions

Injection Speed: Variable - Application DependentScrew RPM: Recovery 3 seconds before mold opensCycle Time: Wall Thickness Dependent

Recommended distributors for this material

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