Polypropylene DGF080.00 ESU

Developmental Performance Polymers

Trinseo

Message:

10% glass filled polypropylene
Natural
Medium flow
Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	High Heat Resistance Medium Flow		
Appearance	Natural Color		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.980	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	60		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	21.6	MPa	ISO 527-2
Flexural Modulus	1400	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength			ISO 180/1A
-40°C	6.0	kJ/m²	
23°C	17	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	95.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	52.0	°C	ISO 75-2/Af
Flammability	**Nominal Value**	**Unit**	**Test Method**
Burning Rate [1]	35	mm/min	ISO 3795
NOTE			
1.	This rating not intended to reflect hazards presented by this or any other material under actual fire conditions.		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China