

Anjaflam® R450-SZ/F/GF30

Polybutylene Terephthalate
Almaak International GmbH

Message:

Anjaflam® R450-SZ/F/GF30 is a Polybutylene Terephthalate (PBT) material filled with 30% glass fiber. It is available in Europe for injection molding. Primary attribute of Anjaflam® R450-SZ/F/GF30: Impact Modified.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.56	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.15	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7500	MPa	ISO 527-2/1
Tensile Stress (Break)	170	MPa	ISO 527-2/5
Tensile Strain (Break)	2.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	195	°C	ISO 306/B50
Melting Temperature (DSC)	224	°C	DSC
Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index (4.00 mm)	750	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	4.0 to 10	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	250 to 270	°C	
Mold Temperature	80.0 to 110	°C	

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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

