AKROMID® C3 GF 30 5 XTC natural (4499)

Polyamide 66/6 Copolymer

AKRO-PLASTIC GmbH

Message:

AKROMID® C3 GF 30 5 XTC natural (4499) is a 30% glass fibre reinforced, high temperature stabilised polaymide 6.6/6 - Blend with high stiffness and strength and extra high temperature tolerance.
Applications are mainly components in mechanical engineering and in the automotive industry.

General Information				
Filler / Reinforcement	Glass Fiber,30% Filler by Weight			
Additive	Heat Stabilizer			
Features	Heat Stabilized High Heat Resistance High Stiffness High Strength			
Uses	Automotive Applications Engineered Applications			
Appearance	Natural Color			
Resin ID (ISO 1043)	PA66 + PA6 GF 30			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density (23°C)	1.39	--	g/cm³	ISO 1183
Spiral Flow	72.0	--	cm	Internal Method
Molding Shrinkage				ISO 294-4
Across Flow	0.60	--	%	
Flow	0.30	--	%	
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	9900	6000	MPa	ISO 527-2/1
Tensile Stress (Break)	190	115	MPa	ISO 527-2/5
Tensile Strain (Break)	3.7	6.5	%	ISO 527-2/5
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	13	13	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	95	90	kJ/m²	ISO 179/1eU
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				
0.45 MPa, Unannealed	250	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	230	--	°C	ISO 75-2/A
Melting Temperature [1]	255	--	°C	DIN EN 11357-1

Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+13	1.0E+10	ohms·cm	IEC 60093
Comparative Tracking Index (Solution A)	600	--	V	IEC 60112
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Burning Rate [2] (1.00 mm)	< 100	--	mm/min	FMVSS 302
Flame Rating (1.60 mm)	HB	--		UL 94
Additional Information	**Dry**	**Conditioned**	**Unit**	**Test Method**
Reinforcement Content	30	--	%	ISO 1172
NOTE				
1.	10 K/min, DSC			
2.	>1 mm			

Recommended distributors for this material

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