TECHNYL eXten® D 219CR V33 NATURAL

Polyamide 66/610 Copolymer

Solvay Engineering Plastics

Message:

TECHNYL eXten® D 219CR V33 Natural is a grade based on polyamide blend of polyamide 6.10 and polyamide 66, reinforced with 33% of glass fiber, heat stabilized with organic stabilizers, for injection moulding.

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight
Additive	Hydrolysis resistance heat stabilizer
Features	Heat Stabilized - Organic Road Salt Resistant Ultra High Glycol Resistance Good dimensional stability Low hygroscopicity Weldable Good liquidity Good chemical resistance Hydrolysis resistance Excellent appearance
Uses	Application in Automobile Field
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS compliance
Appearance	Natural color
Forms	Particle
Processing Method	Injection molding
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)
Resin ID (ISO 1043)	PA610+PA66-GF33

Physical	Dry	Conditioned	Unit	Test Method
Density	1.35	--	g/cm³	ISO 1183/A
Water Absorption				ISO 62
23°C, 24 hr	0.30	--	%	ISO 62
Saturated, 23°C	3.6	--	%	ISO 62
Equilibrium, 23°C, 50% RH	1.3	--	%	ISO 62

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	11000	8150	MPa	ISO 527-2/1A
Tensile Strength				

Yield, 23°C	186	135	MPa	ASTM D638
Fracture, 23°C	190	135	MPa	ISO 527-2/1A
Tensile Elongation				
Fracture, 23°C	3.1	5.4	%	ASTM D638
Fracture, 23°C	3.0	5.3	%	ISO 527-2
Flexural Modulus (23°C)	9900	7500	MPa	ISO 178
Flexural Stress (23°C)	285	225	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	13	kJ/m^2	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	85	90	kJ/m^2	ISO 179/1eU
Notched Izod Impact (23°C)	10	15	kJ/m^2	ISO 180
Unnotched Izod Impact (23°C)	100	100	kJ/m^2	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	223	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	215	--	°C	ISO 75-2/Af
Melting Temperature	220 - 260	--	°C	ISO 11357-3

Recommended distributors for this material

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