

Radilon® CS 38FL

Polyamide 66/6 Copolymer

Radici Plastics

Message:

PA6/66 medium-high viscosity extrusion grade for cast, blown and co-extruded films and monofilaments. Natural colour.

General Information				
Features	Medium and high viscosity			
Appearance	Natural color			
Forms	Particle			
Processing Method	Film extrusion			
	Blow film			
	cast film			

Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturated, 23°C	10	--	%	ISO 62
Equilibrium, 23°C, 50% RH	3.0	--	%	ISO 62
Viscosity Number	230	--	cm ³ /g	ISO 307

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2800	750	MPa	ISO 527-2
Tensile Stress (Yield)	80.0	29.0	MPa	ISO 527-2
Tensile Strain (Yield)	4.2	17	%	ISO 527-2
Nominal Tensile Strain at Break	50	50	%	ISO 527-2

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/eA
-30°C	5.3	--	kJ/m ²	ISO 179/eA
23°C	5.5	130	kJ/m ²	ISO 179/eA
Charpy Unnotched Impact Strength				ISO 179/eU
-30°C	No Break	--		ISO 179/eU
23°C	No Break	No Break		ISO 179/eU

Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	70.0	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	65.0	--	°C	ISO 75-2/Af

Vicat Softening Temperature	70.0	--	°C	ISO 306/B50
Melting Temperature (DSC)	210	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	--	ohms	IEC 60093
Volume Resistivity	1.0E+14	1.0E+13	ohms·cm	IEC 60093
Comparative Tracking Index	--	600	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.800 mm	HB	--		UL 94
1.60 mm	HB	--		UL 94
Additional Information				

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The value listed as Melting Temperature, ISO 3146, was tested in accordance with ISO 11357-1-3 at a heating rate of 10°C/min. Nominal Tensile Strain at Break, ISO 527: >50%

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Nominal Tensile Strain at Break, ISO 527: >50%

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