

Makrolon® RW6265 X

Polycarbonate

Covestro - Polycarbonates

Message:

MVR (300 °C/1.2 kg) 19 cm³/10 min; low viscosity; easy release; flame retardant; variable content of filler for high reflectance application; injection molding

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Mold Release		
	Low Viscosity		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.24 to 1.34	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	19.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2500 to 2700	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield, 23°C	60.0	MPa	
Break, 23°C	50.0 to 60.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	5.5	%	
Break, 23°C	80 to 110	%	
Nominal Tensile Strain at Break (23°C)	> 50	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Notched Izod Impact Strength ¹ (23°C, Complete Break)	15	kJ/m ²	ISO 7391
Multi-Axial Instrumented Impact Energy (23°C)	40.0 to 47.0	J	ISO 6603-2
Multi-Axial Instrumented Impact Peak Force (23°C)	4700 to 5000	N	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	140 to 143	°C	ISO 306/B50
RTI Elec (1.50 mm)	125	°C	UL 746
RTI Imp (1.50 mm)	115	°C	UL 746
RTI Str (1.50 mm)	125	°C	UL 746
Flammability	Nominal Value		Test Method

Flame Rating (1.50 mm, WT)	V-0	UL 94
Optical	Nominal Value	Test Method
Light Reflection (4.00 mm)	96.0 to 97.0	JIS 8722
NOTE		
1.	Based on ISO 180-A	

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