

HIVAL® 5308

High Impact Polystyrene

Nexeo Solutions, LLC.

Message:

HIVAL® 5308 is a high impact polystyrene material. This product is available in North America and is processed by injection molding.

HIVAL®The main features of the 5308 are:

ROHS certification

BPA free

accessible food

Typical application areas include:

electrical appliances

home apps

business/office supplies

food contact applications

General Information			
Features	Compliance of Food Exposure		
	BPA-free		
Uses	Home appliance components		
	Household goods		
	Business equipment		
Agency Ratings	FDA 21 CFR 177.1640		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (L-Scale)	55		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.4	MPa	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	79.4	°C	ASTM D648
Vicat Softening Temperature	97.8	°C	ASTM D1525
Injection	Nominal Value	Unit	
Rear Temperature	199 - 232	°C	

Middle Temperature	204 - 232	°C
Front Temperature	218 - 260	°C
Nozzle Temperature	218 - 260	°C
Processing (Melt) Temp	218 - 274	°C
Mold Temperature	26.7 - 48.9	°C
Injection Pressure	2.76 - 10.3	MPa
Back Pressure	1.03 - 3.45	MPa

Injection instructions

Screw Speed: SlowInjection Speed: Slow - Fast

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