

## Technical Data Sheet

### ROCASTIR rPS-55

#### Description

Post-consumer recycled polystyrene granules for general use.  
Available in light grey.

Properties	Value	Unit	Test method
<b>Physical</b>			
Density	0.99 - 1.02	g/cm <sup>3</sup>	ASTM D-792
Melt Flow Index (200°C, 5 kg)	5 - 8	g/10 min	ASTM D-1238
<b>Mechanical</b>			
Tensile Modulus	≥ 1750	MPa	ASTM D-638
Tensile Stress	≥ 20	MPa	ASTM D-638
Tensile Strain	≥ 2	%	ASTM D-638
Flexural Modulus	≥ 18500	MPa	ASTM D-790
Flexural Strength	≥ 35	MPa	ASTM D-790
<b>Impact</b>			
Notched Izod Impact Strength (23°C)	≥ 5	kJ/m <sup>2</sup>	ASTM D-256
<b>Thermal</b>			
Heat Deflection Temperature	≥ 70	°C	ASTM D-648

We recommend to dry the material before processing.

Drying temperature: (80 ± 2)°C

Drying time: approximately 2 hours

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