

# MAGNUM™ 3453

### Trinseo - ABS Resin

Sunday, November 3, 2019

#### **General Information**

#### **Product Description**

MAGNUM\* 3453 ABS is a general purpose injection moulding resin suitable for a wide range of applications. The product combines a medium to high impact impact performance with good flowability.

The mass (continuous process) ABS technology ensures an ABS resin that combines excellent processability with a stable light base colour that is ideal for self-colouring.

#### Applications:

- · Household appliances
- Telephones
- · Electrical and computer equipment
- · Consumer goods
- Toys

General				
Material Status	Commercial: Active			
Availability	Asia Pacific	• Europe	North America	
Features	Good Flow	<ul> <li>Good Processability</li> </ul>	High Impact Resistance	
Uses	<ul><li>Appliances</li><li>General Purpose</li><li>Electrical/Electronic Applications</li><li>Toys</li></ul>			
Forms	• Pellets			

0.65	Unit g/cm³ g/cm³	Test Method ISO 1183/B ISO 60
0.65	•	
	g/cm³	ISO 60
15		
15		ISO 1133
15	g/10 min	
5.0	g/10 min	
40 to 0.70	%	ISO 294-4
inal Value	Unit	Test Method
331000	psi	ISO 527-2
6530	psi	ISO 527-2/50
2.5	%	ISO 527-2/50
334000	psi	ISO 178
9860	psi	ISO 178
inal Value	Unit	Test Method
		ISO 179/1eA
4.8	ft·lb/in²	
9.5	ft·lb/in²	
		ISO 180/A
4.3	ft·lb/in²	
9.0	ft·lb/in²	
inal Value	Unit	Test Method
212	°F	ISO 75-2/A
	5.0 40 to 0.70 inal Value 331000 6530 2.5 334000 9860 inal Value 4.8 9.5 4.3 9.0 inal Value	15 g/10 min 5.0 g/10 min 40 to 0.70 % inal Value Unit 331000 psi 6530 psi 2.5 % 334000 psi 9860 psi inal Value Unit  4.8 ft·lb/in² 9.5 ft·lb/in² 9.0 ft·lb/in² inal Value Unit  212 °F



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Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	207	°F	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Burning Rate <sup>4</sup> (0.0787 in)	2.2	in/min	ISO 3795
Flame Rating <sup>4</sup>			UL 94
0.06 in	НВ		
0.12 in	НВ		
Carbon Emission <sup>4</sup>	25.0	µg/g	VDA 277
Fogging <sup>4</sup>	97	%	ISO 294-4

## Notes



<sup>&</sup>lt;sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>&</sup>lt;sup>2</sup> 0.079 in/min

<sup>&</sup>lt;sup>3</sup> 3-points

<sup>&</sup>lt;sup>4</sup> This rating not intended to reflect hazards presented by this or any other material under actual fire conditions.