

# DOKI® PS 485

High Impact Polystyrene

DIOKI d.d.

## Message:

DOKI® POLISTIREN 485 is elastomer modified, high impact polystyrene, especially developed for injection moulding.

DOKI® POLISTIREN 485 exhibits high melt flow properties - mould cavities fully filled up.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Flow		
	High Impact Resistance		
Uses	Engineering Parts		
	Thin-walled Parts		
Agency Ratings	EC 1907/2006 (REACH)		
	EU 2002/72/EC		
	EU 2004/19/EC		
	EU 94/62/EC		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm <sup>3</sup>	ISO 1183
Apparent Density	0.60	g/cm <sup>3</sup>	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/1.2 kg)	12	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	55		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	16.0	MPa	
Break	18.0	MPa	
Tensile Strain (Break)	> 35	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	8.0	kJ/m <sup>2</sup>	ISO 180/4A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	82.0	°C	ISO 306/B50

Injection	Nominal Value	Unit
Processing (Melt) Temp	160 to 230	°C
Mold Temperature	20.0 to 60.0	°C

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#### Recommended distributors for this material

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