

ASTM & ISO Properties¹

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.41	–	g/cm ³	ISO 1183 ASTM D792
Water Absorption				
Saturation, 23 °C			%	
Equilibrium 23 °C, 50 % r.H.	–	1.6	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23 °C)	11600	8400	MPa	ISO 527-2
Tensile Stress				
Break, 23 °C	207	143	MPa	ISO 527-2
–			MPa	ASTM D638
Tensile Elongation				
Break, 23 °C	3.2	5.1	%	ISO 527-2
Break			%	ASTM D638
Flexural Modulus				
23 °C	10700	7900	MPa	ISO 178
–			MPa	ASTM D790
Flexural Strength				
23 °C	315	225	MPa	ISO 178
–			MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	14	17	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	89	90	kJ/m ²	ISO 179

Notes

¹ Typical properties: these are not to be construed as specifications

Disclaimer:

- Data shown are typical values obtained by proper testing methods and should not be used for specification purpose. Please use these data for selecting the most appropriate grade suitable for specific usage. These data may be changed because of improvement in properties.

- Be sure to read the relevant SDS before handling and use, and always follow the Important Precautions.

- Do not use plastics in any of the following orally or medically-related applications.

- Orally-related application: any part, device or component which may come into direct oral contact or into direct contact with drinking foods or beverages. For drinking water application, please consult Asahi Kasei Chemicals Corporation.

- Medically-related applications: any part, device or component which may be used intracorporeally or which may in dialysis or other processes come into direct or indirect contact with body tissue, body fluids, or transfusion fluids.