

**Ultramid® A3WG7 CR bk564**  
**PA66-GF35**

BASF

Rheological properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	22 / *	cm³/10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	11400 / 7600	MPa	ISO 527
Stress at Break	200 / 130	MPa	ISO 527
Strain at Break	3.1 / 4.4	%	ISO 527
Impact Strength (Charpy), +23°C	85 / 88	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	65 / 63	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	10 / 14	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	8 / 8	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	10800 / 7200	MPa	ISO 178
Flexural strength	300 / 200	MPa	ISO 178

Thermal Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melting Temperature (10°C/min)	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	250 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	260 / *	°C	ISO 75-1/-2

Electrical Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Electric Strength	40 / 34	kV/mm	IEC 60243-1

Other Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Water Absorption	5.5 / *	%	Sim. to ISO 62
Density	1410 / -	kg/m³	ISO 1183
Bulk density	700	kg/m³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	280 - 300	°C	-
Mold temperature	80 - 90	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	280 - 300	°C	-

**Characteristics**

**Processing**

Injection Molding, Other Extrusion

**Special Characteristics**

Heat aging stabilized

**Delivery form**

Pellets

**Disclaimer**

**Liability Exclusion**

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