



Utechllan UE-90AE10FR

UE grade series, ether / Shore hardness A 90 - 94

extrusion molding grade; excellent hydrolysis resistance; good mechanical properties; against microbial attack; flame-retardant;

Property	Test Condition	Unit	Standard	Typical Value		
Mechanical properties (23 °C)						
shore hardness, method A		-	ISO 868		91	
Ultimate tensile strength	200 mm/min	MPa	DIN 53504		30.0	
Strain at break	200 mm/min	%	DIN 53504		550	
Stress at 100 % strain	200 mm/min	MPa	DIN 53504		8.0	
Stress at 300 % strain	200 mm/min	MPa	DIN 53504		15.0	
Abrasion resistance		mm³	ISO 4649		60	
Tear propagation resistance	200 mm/min	kN/m	ISO 34-1		80	
Other properties (23 °C)						
Density		kg/m³	ISO 1183-1			1152
Molding conditions						
Injection molding-Melt temperature		°C	-	190 - 210		
Injection molding-Mold temperature		°C	-			20 - 40
Extrusion-Melt temperature		°C	-	175 - 195		
Maximum drying temperature		°C	-			110

